

Amendments to the Specification

Please replace the following paragraphs of the specification in their entirety with the replacement text as marked up.

Page 1, lines 4-8:

The present application is related to the following commonly assigned co-pending application, filed on the same date as the present application, which is herein incorporated by reference: Serial No. _____ No. 10/675,732, to David A. Luick, entitled "Apparatus and Method for Pre-Fetching Data to Cached Memory Using Persistent Historical Page Table Data" (~~Assignee's Docket No. ROC920030254US1~~).

Page 6, line 24 - Page 7, line 6:

In the preferred embodiment, pre-fetching sub-units of a segment based segment table data as described herein is used in conjunction with pre-fetching cacheable sub-units of a page to cache based on reference history data associated with individual pages in a page table. The use of a page table is the subject of related co-pending application Serial No. _____ No. 10/675,732 to David A. Luick, entitled "Apparatus and Method for Pre-Fetching Data to Cached Memory Using Persistent Historical Page Table Data" (~~Assignee's Docket No. ROC920030254US1~~), filed on the same date as the present application. However, the present invention may be used independently of any such technique for pre-fetching portions of a page based on history in a page table.